

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
                            )  
                    David J. Sager     )     Examiner:     Not yet assigned  
                            ) )  
Serial No.:    10/629,244     )     Art Unit:     Not yet assigned  
                            ) )  
Filed:       July 28, 2003     ) )  
                            ) )  
For:   PROCESSOR AND DATA CACHE WITH DATA )  
      STORAGE UNIT AND TAG HIT/MISS LOGIC )  
      OPERATED AT FIRST AND SECOND     )  
      CLOCK FREQUENCIES     )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant hereby request consideration of the enclosed Information Disclosure Statements pursuant to 37 C.F.R. § 1.97(c).

Enclosed are the following:

- (1) Form 1449A/PTO with copy of U.S. Patent 5,918,061;
- (2) PTO Forms 1449 and Forms 892 from the parent application filed on

November 13, 1996, (Serial No. 08/748,862). This previous application is relied upon for an earlier filing date under 35 U.S.C. 120. Pursuant to C.F.R. 1.98(d), copies of the references are not being provided herewith since they were previously sent to the patent and Trademark Office. Please consider theses cited documents in the currently pending continuation application filed July 28, 2003.

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on August 20, 2003.

Date of Deposit

Beverly Kehoe Shea

Name of Person Mailing Correspondence

  
Signature

10/629,244

8/20/03

Date  
42390.P3679C

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP



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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 42390.P3679C	Application Number: 10/629,244
Page 1 of 1 		First Named Inventor: David J. Sager	Examiner: Not yet assigned
		Filing Date: July 28, 2003	Art Unit: Not yet assigned

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,918,061		Nikjou	06-29-1999	

#### FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

#### OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Form 1449A/PTO (Modified)  
many sheets as necessary

Attorney Docket No.:  
42390P3679

Application Number:  
08/748,862



First Named Inventor:

David J. Sager

Filing Date:

November 13, 1996

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Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
JP	5,812,860			Horden et al.	9-22-1998	
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Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
JP	UK	GB	2269924	A	Intel Corporation	6B	2-23-1994	
JP	Europe	0478132		A1	Tandem Computers Incorporated	EP	12-8-1991	
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					PCT Application WO 98/21604		5-22-1998	

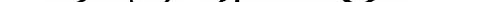
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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<b>Form PTO-1449 (Modified)</b>	<b>Atty Docket No.:</b> 042930.P3679	<b>Serial No.:</b> 08/748,862
List of Patents and Publications Statement  (Use several sheets if necessary)	<b>Applicants:</b> Sager	 <b>Filing Date:</b> 11/13/96

## FOREIGN PATENT DOCUMENTS

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

 David A. Patterson and John L. Hennessy; "Computer Organization & Design"  
Chapter 7, pages 592- 594; 1998 by Morgan Kaufmann Publishers, Inc.; Second  
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**Examiner**  **Date Considered** 7/11/00

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					ATTY. DOCKET NO.	SERIAL NO.		
					42390.P3679	08/748,862		
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>					APPLICANT	David J. Sager		
					FILING DATE	GROUP		
					11/13/96	2751 2312		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>[initials]</i>		5 4 2 1 0 2 1	5/30/95	Saini				
<i>[initials]</i>		5 1 4 2 6 3 4	8/25/92	Fite, et al.				
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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		International Search Report, PCT/US97/18461, 2/23/98, 5 pgs.						
EXAMINER <i>[Signature]</i>				DATE CONSIDERED 6-30-98				

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SERIAL NO.

08/748,863

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2187

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43

## NOTICE OF REFERENCES CITED

APPLICANT(S)

Sager

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\* A copy of this reference is not being furnished with this office action.  
 (See Manual of Patent Examining Procedure, section 707.05 (a).)

SERIAL NO.

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15

## NOTICE OF REFERENCES CITED

APPLICANT(S)

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*	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
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R	Austin et al, "Streamlining Data Cache Access With Fast Address Calculation," 22 <sup>nd</sup> International Symposium on Computer Architecture, June 18-24, 1995, Proceedings Session 8, No. 1, page 5, pp. 369 - 380.
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APPLICANT(S)

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APPLICANT(S)

Sager

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	12-04-02

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